



SECURE for
Student Success

Undergraduate Research Program

Civil Engineering and Construction Management (College of Engineering and Computer Science)

Research Duration: Summer 2024 (June – August 2024)

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Contact No: JD4403, 818-677-6836 and TTH 12:30 pm to 1:30 pm
(Spring 2024)

Title of Project: Literature in Civil Engineering and Construction
Management

Goals and Objectives of the Project, Expectations and Outcomes

The goals and objectives of this project mainly help support two undergraduate students in learning to conduct an extensive literature review in the field of Civil Engineering and Construction Management: (1) evaluate the current state of knowledge in civil engineering and/or construction management (2) identify a narrower topic, (3) identify the gap in the state of the knowledge, (4) summarize and critically analyze scholarly articles, books, and research papers, and (5) compile a list of comprehensive database of the literature resources.

Expectations include regular meetings to identify together a narrower topic with the participating undergraduate students (students together get to choose their preferred single topic that is a hot

topic in the field in consensus with faculty), research progress, high-quality literature analysis, and documentation (database and findings).

In this research project, students will refine their research and critical thinking skills by conducting an in-depth literature review in Civil Engineering and Construction Management. They will identify research gaps and synthesize information contributing to the current understanding of the state of knowledge. This experience enhances their understanding of key theories and/or current research status while developing essential time management, documentation, and team-work skills. Ultimately, students gain a solid foundation for future academic and professional pursuits, equipped with a comprehensive research skill set and a nuanced perspective on their field. This project is research-intensive and expects that the work will be conducted in a group format. The student will be part of a group, joining a peer undergraduate student and faculty. A main prerequisite of this project is the interest of the students in research.